

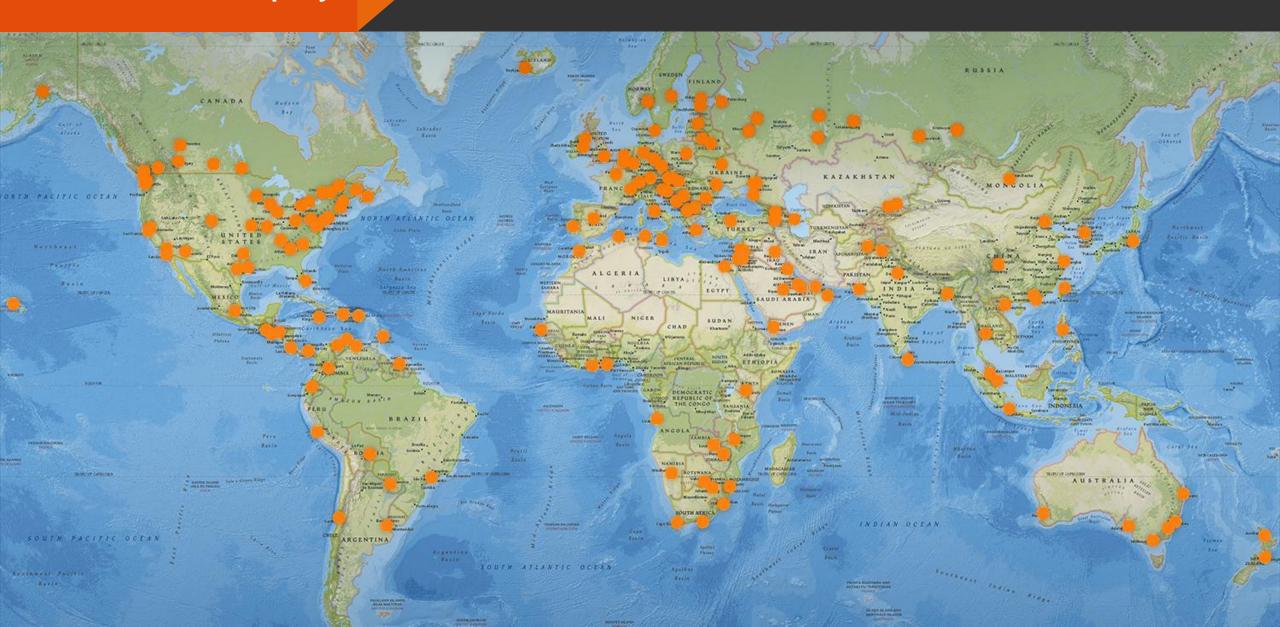
# The Importance of Spatial Context and Analytics in Transportation

Presented by **Kevin Bolger Esri** 



#### **A Global Company**

#### 130+ Countries

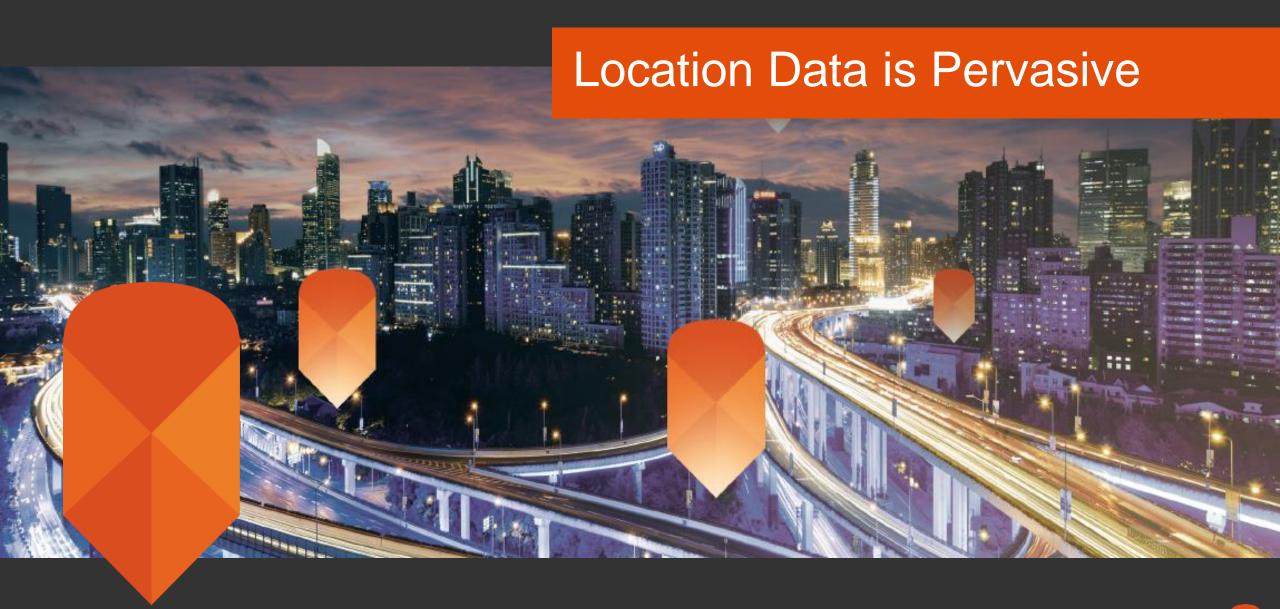


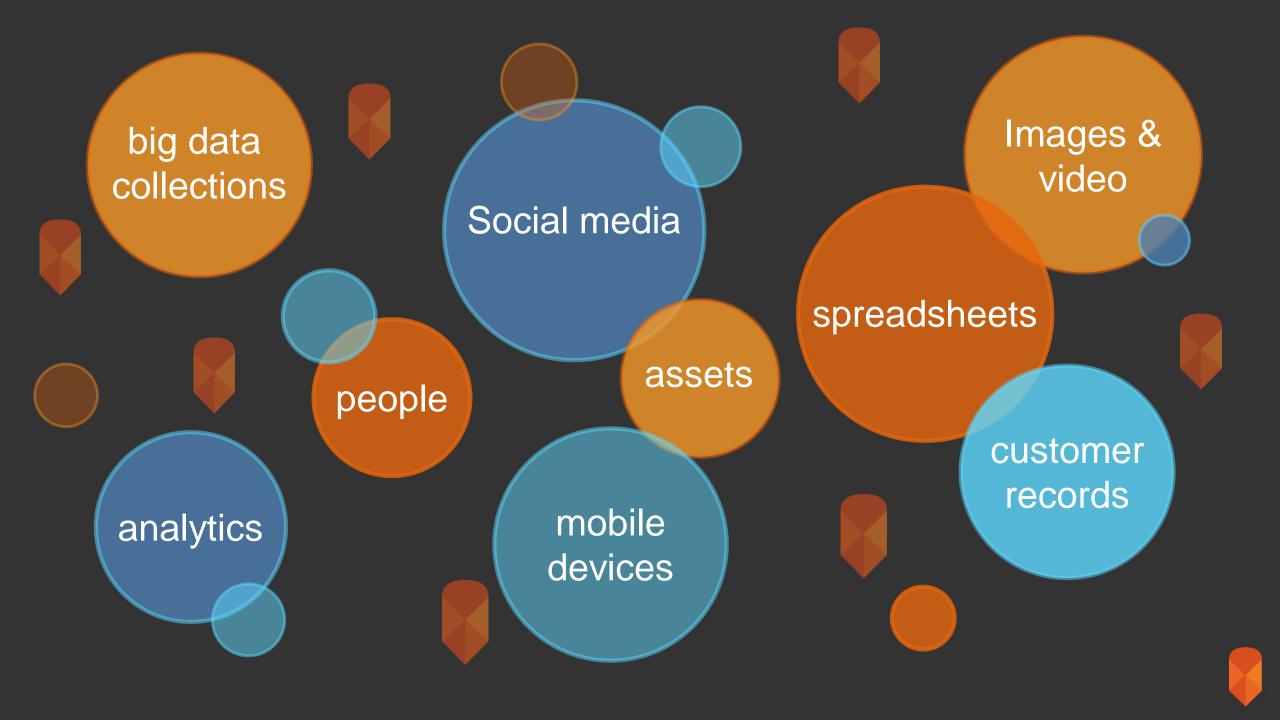
#### **AGENDA**

- Key Benefits of Location
- Why Location Matters
- Short Demo
- Customer Experiences
- Open Q&A

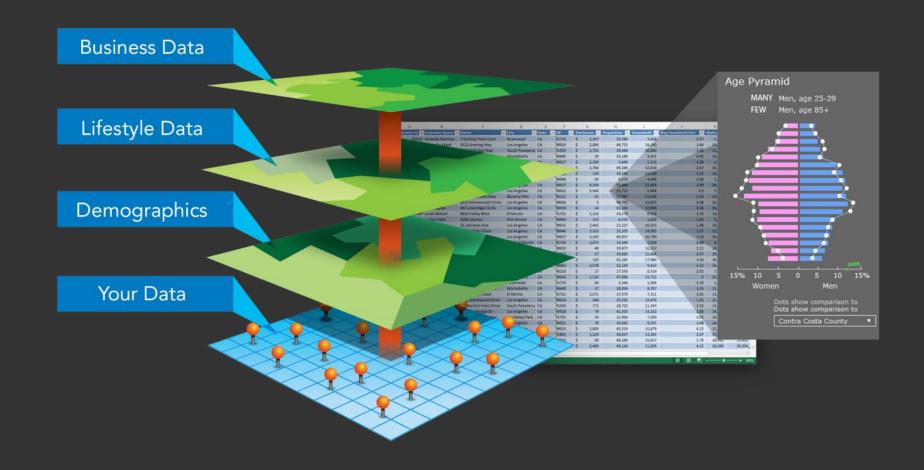
# WHY Location?

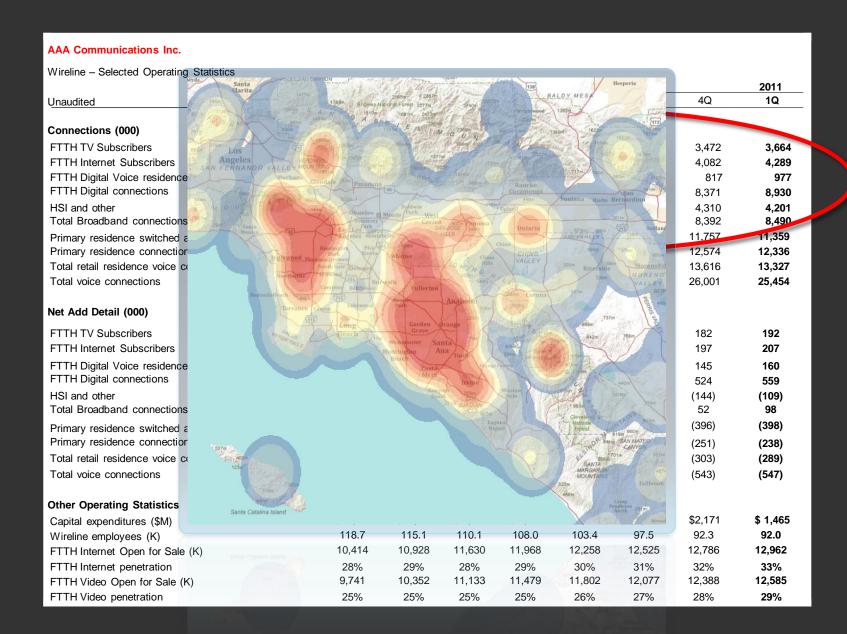






# Enrich Your Analysis Your Data Location





#### Why Is Location So Compelling Now?



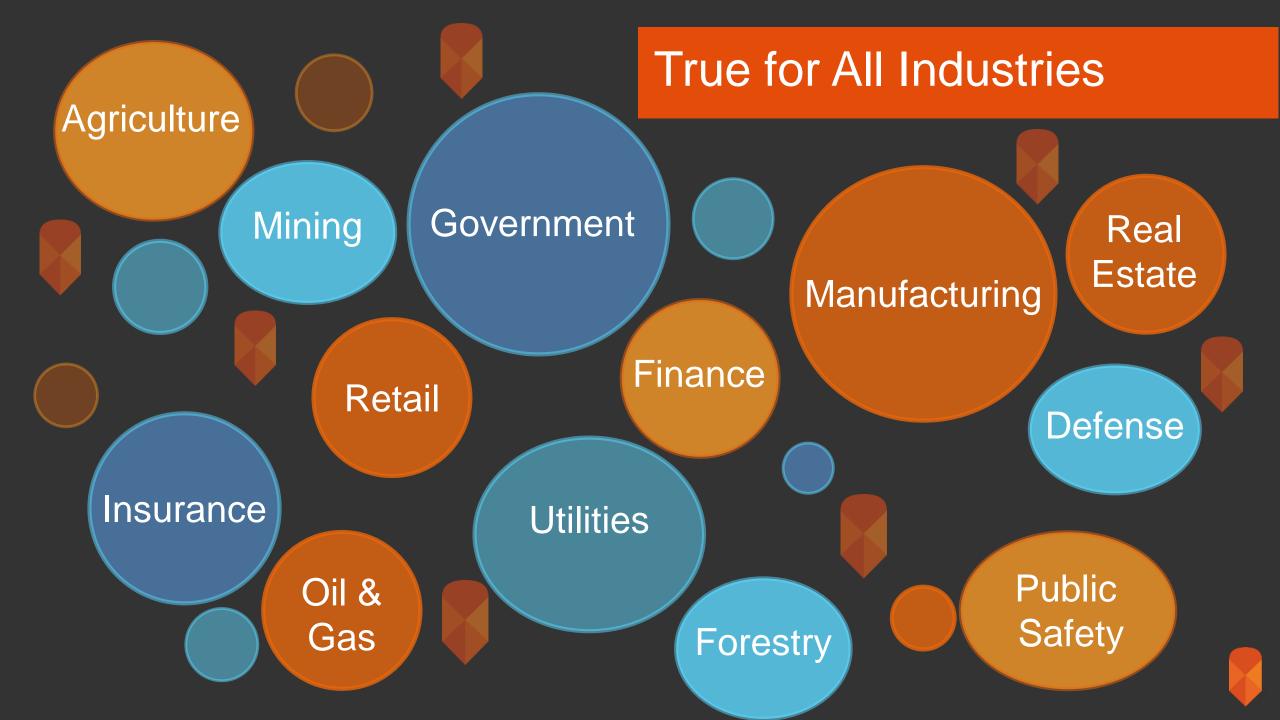
Spatial analysis is powerful

New technology is making location easier



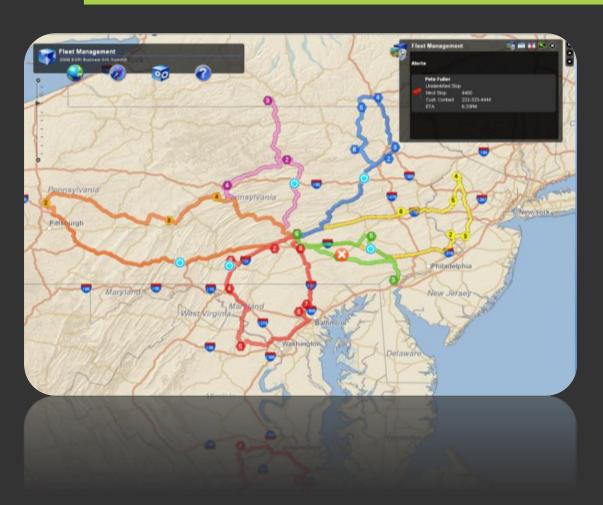
.Better and Faster Decision Making . . . Improved Communication . . . Increased Efficiency



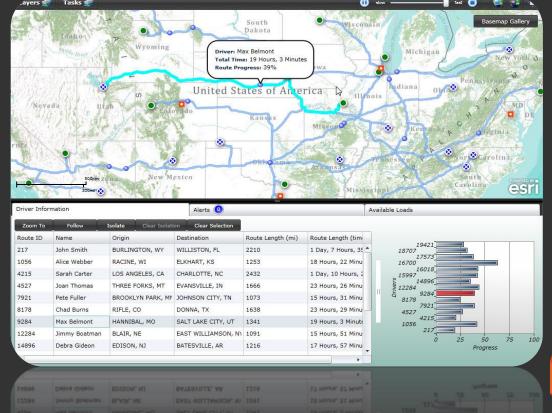


#### **Fleet Operations**

Comprehensive, unified Spatial platform supports the Enterprise

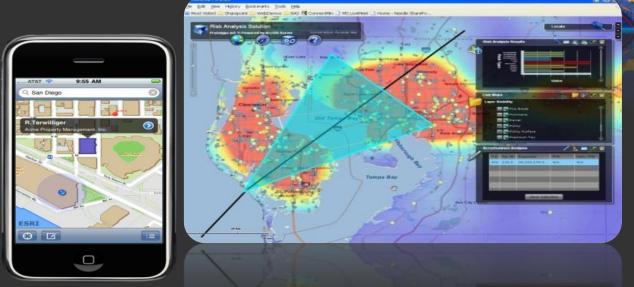


- Operational Awareness Fleet Tracking
- P&D Route Planning
- Dynamic Dispatching
- In-Cab Navigation



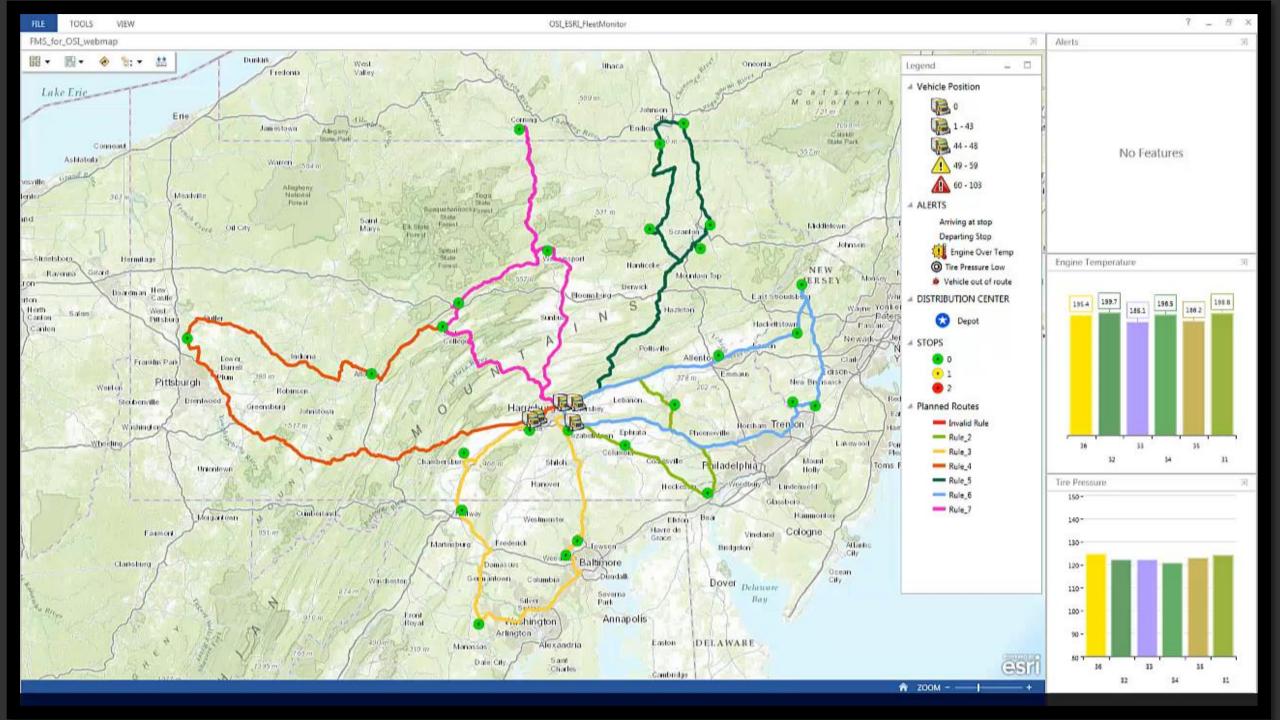
# **Value added Analytics**

- Risk Analysis
- Situational Awareness
- Mitigation

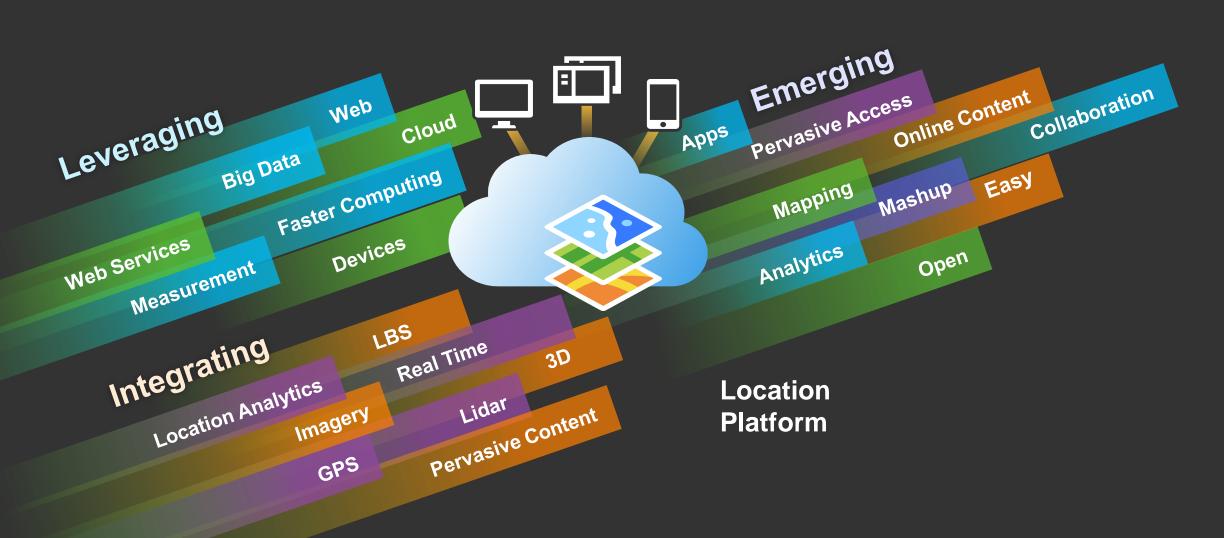


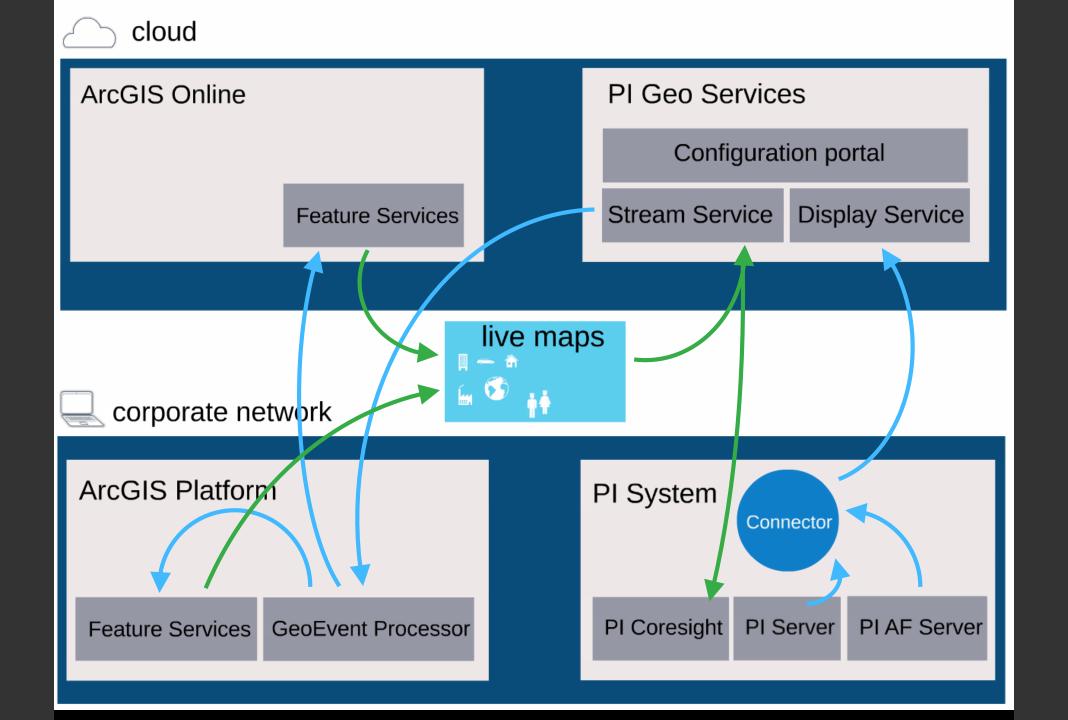




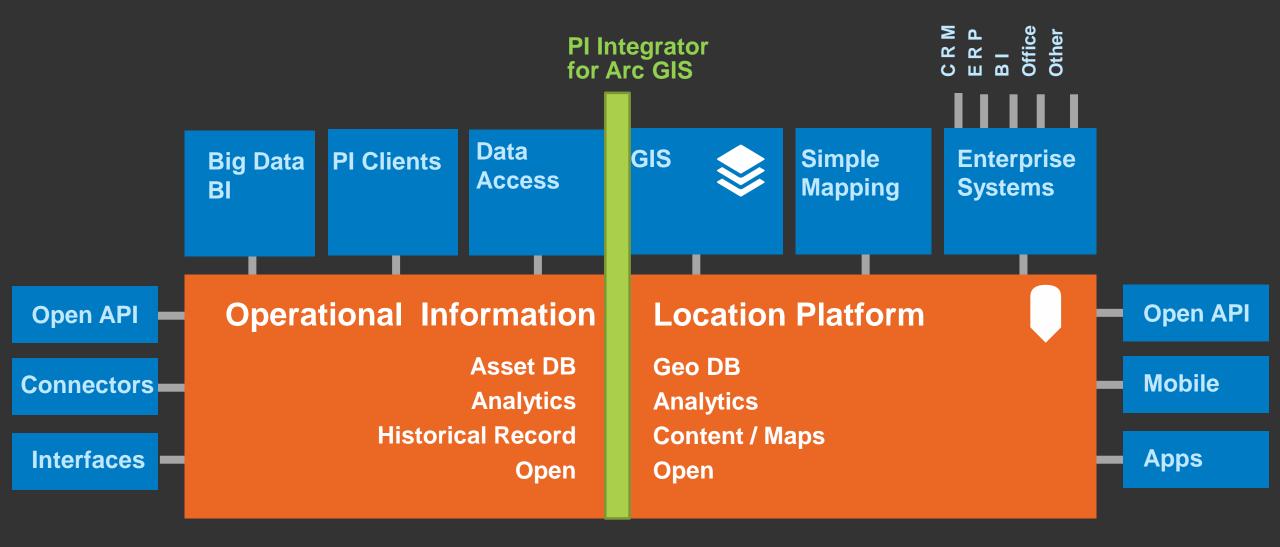


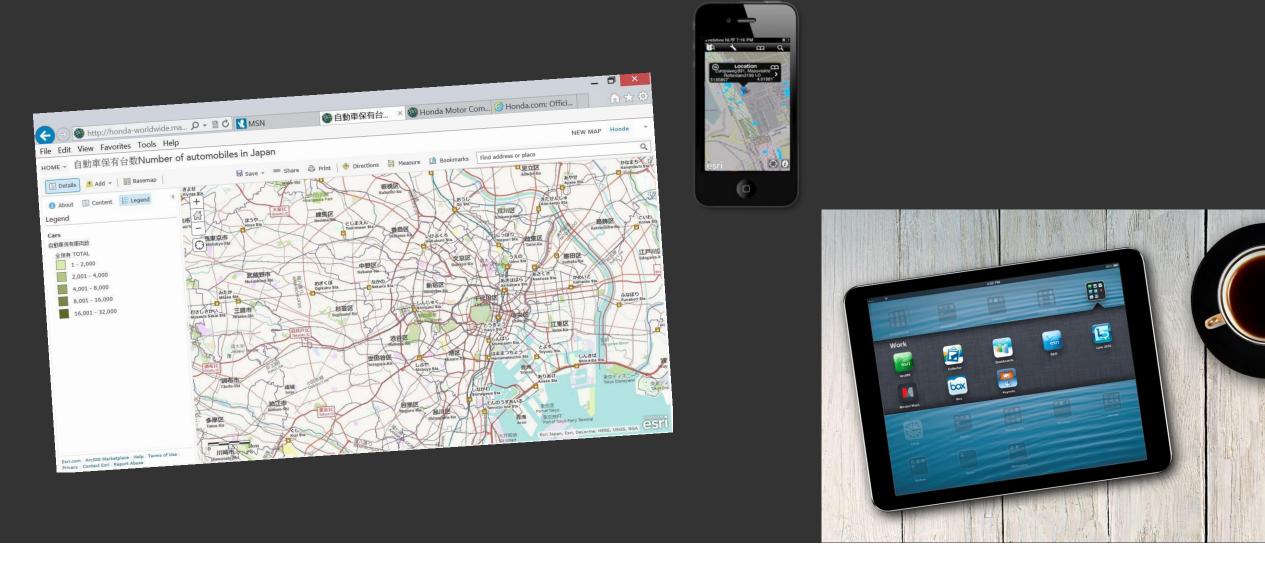
#### Location as a Platform



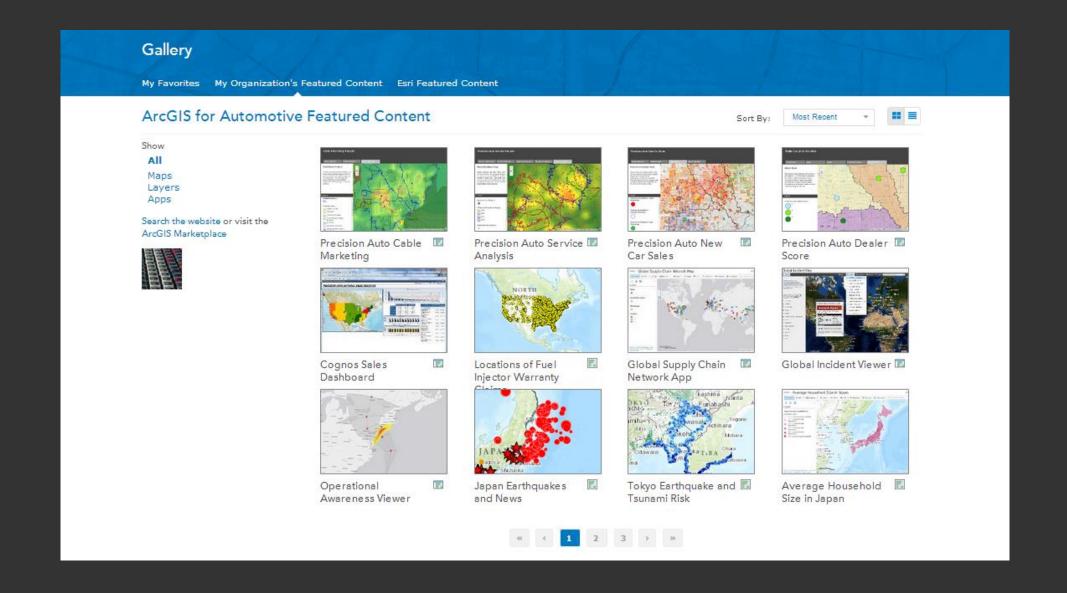


#### **PI/Esri Interoperability**

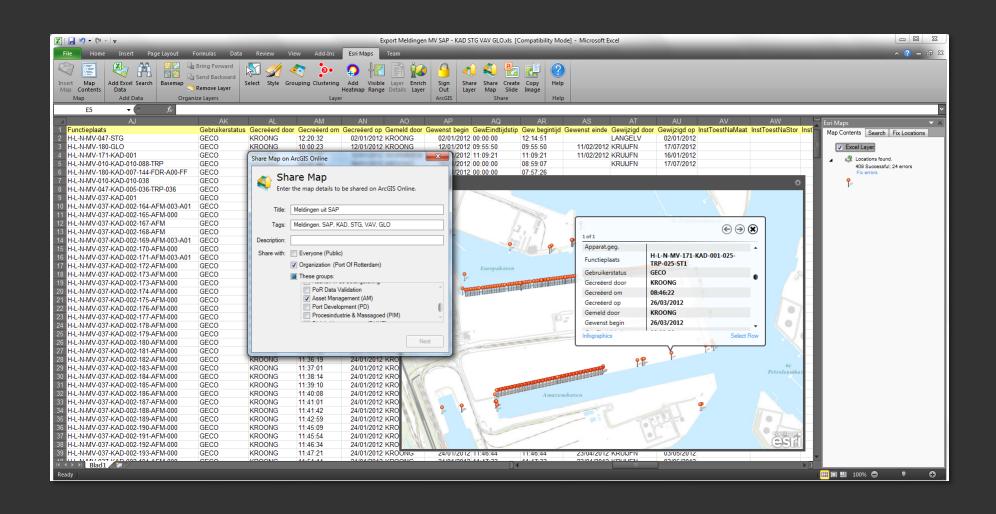




Freedom | to use the device at hand

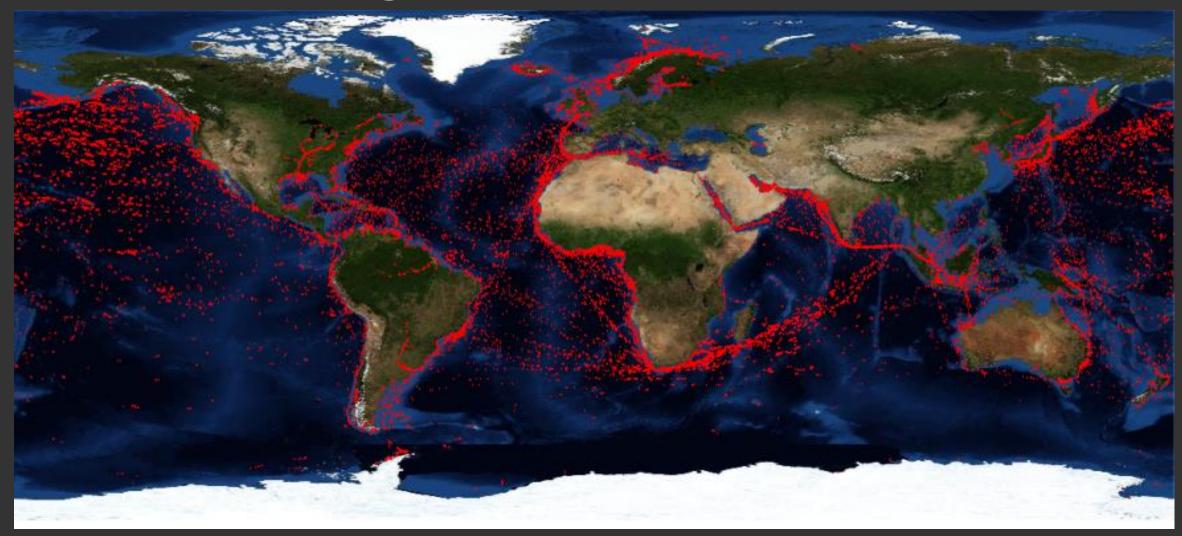


Content Management | for organizing your users, groups, maps, and applications

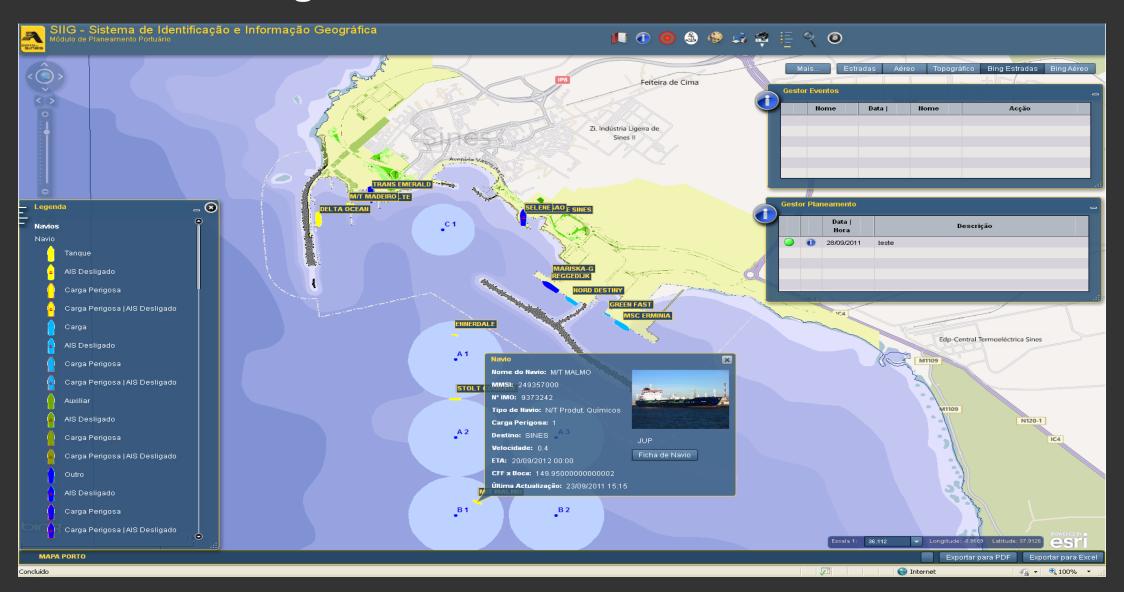


Esri Maps for MSOffice | add-in for Excel and PowerPoint – make maps as easy as charts

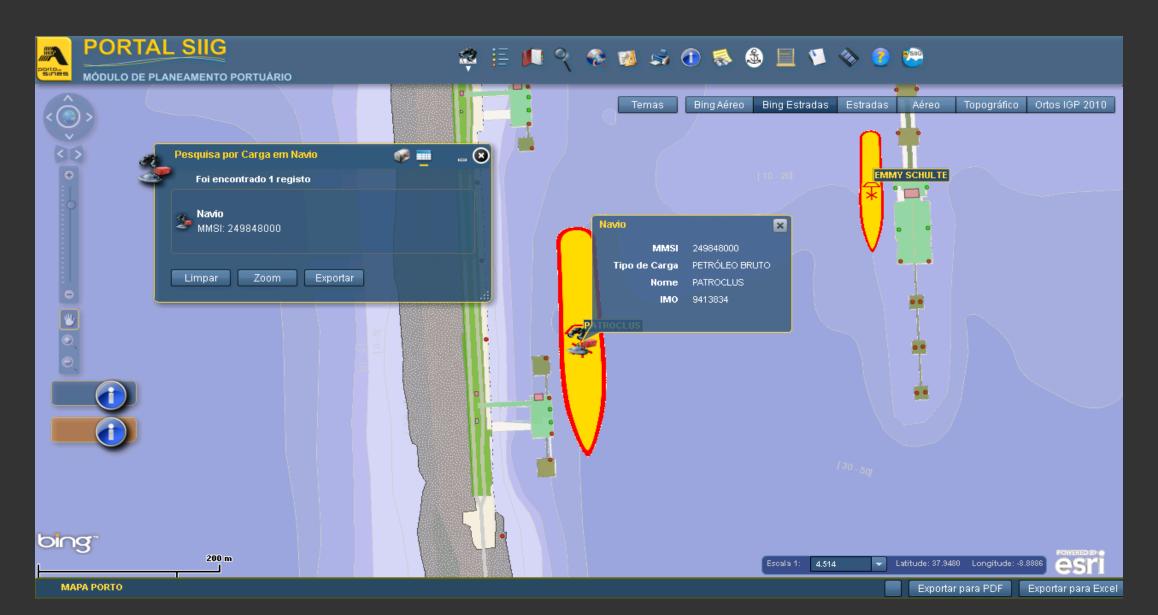
# **Ship tracking**



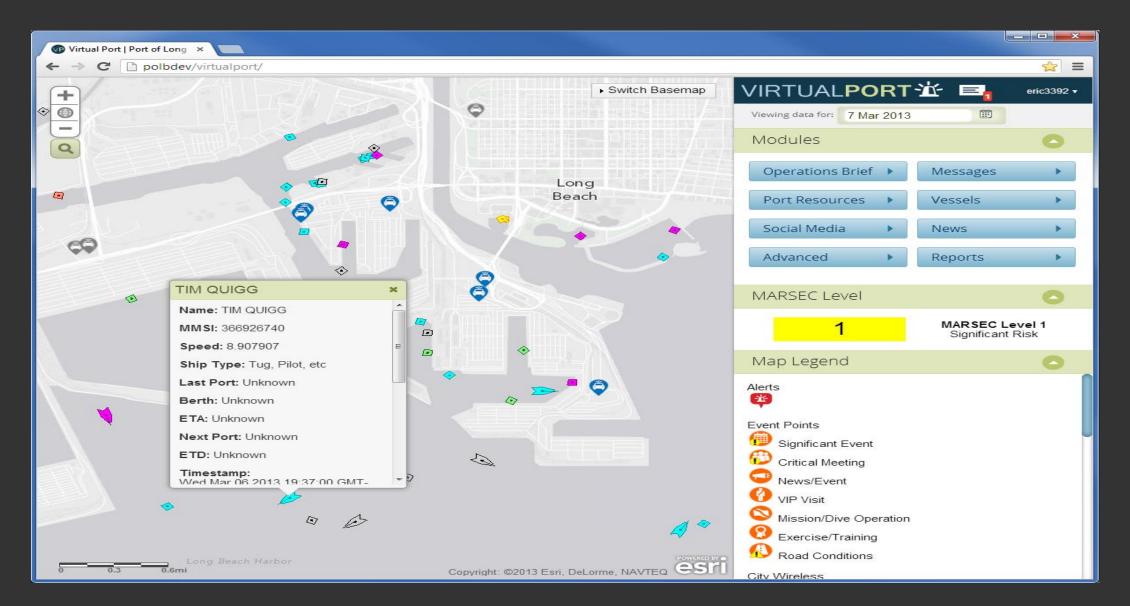
### **Port Monitoring**



#### **Real Time Berth View**



# **Common Operating Picture**

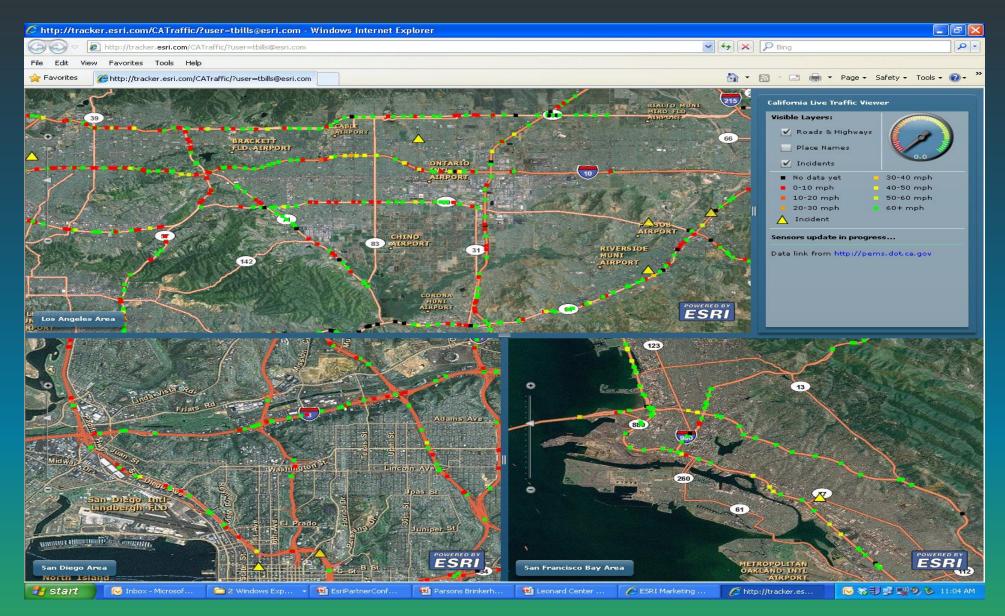


# **Large Volumes of Data**

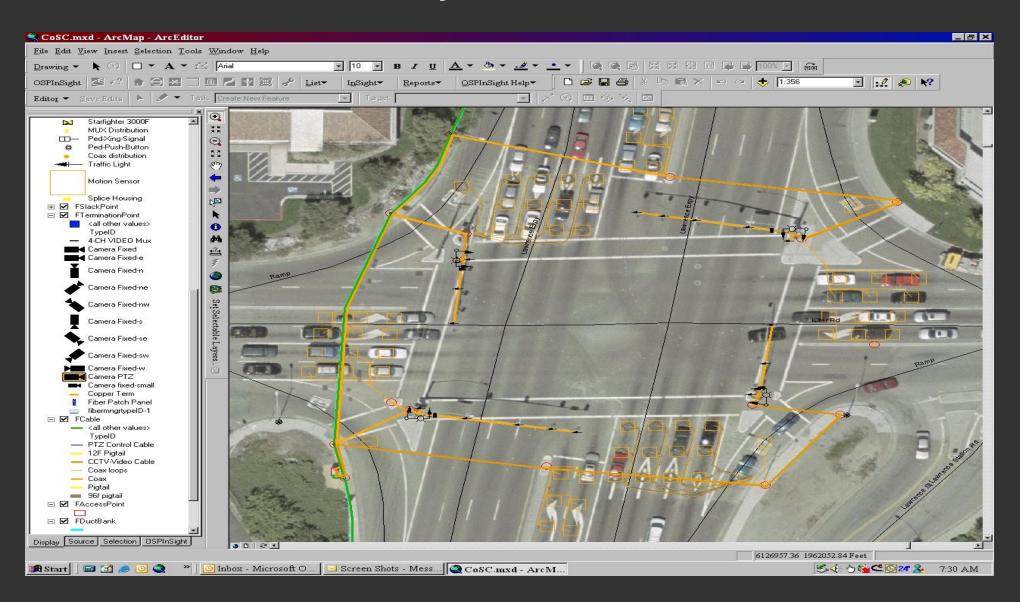




#### **Live Traffic in California**



### **ITS and Traffic Control Systems**



#### **Connected Vehicle**

- Customer Engagement
- Safety & Security
- Convenience

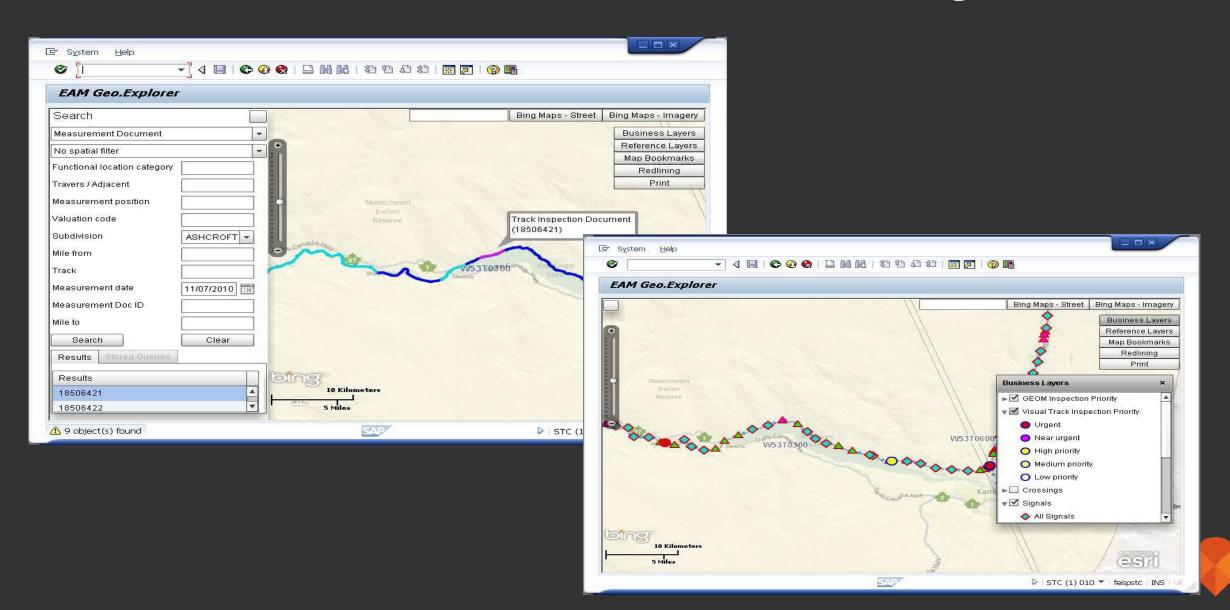


Wishing to deliver what's useful to people, convenient and fun to use.

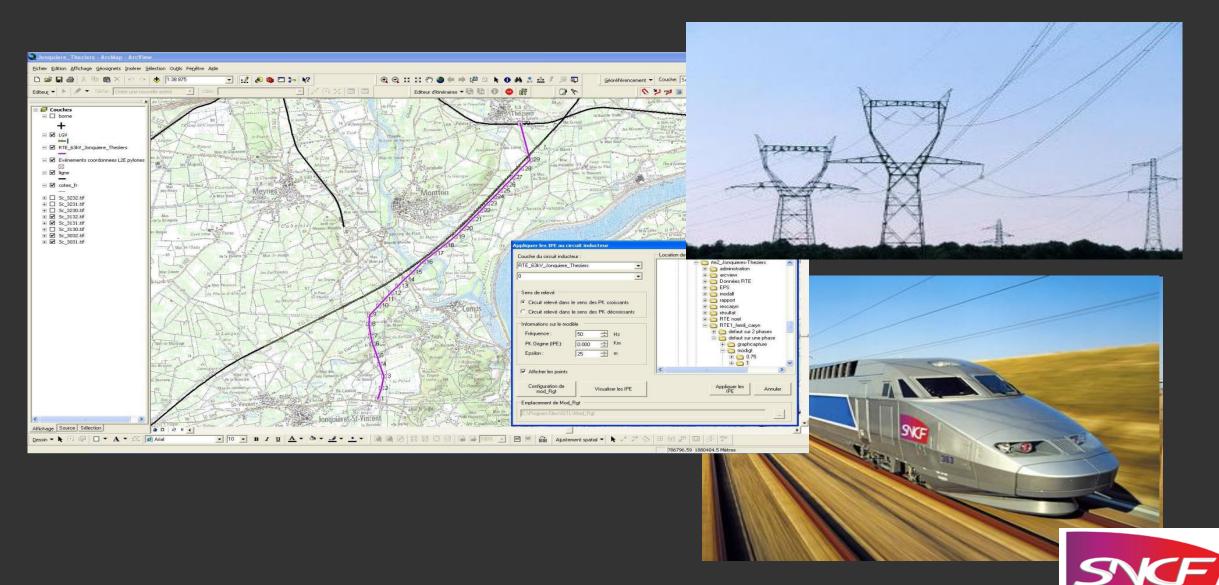
The 30 years of Internavi encapsulates such thoughts.



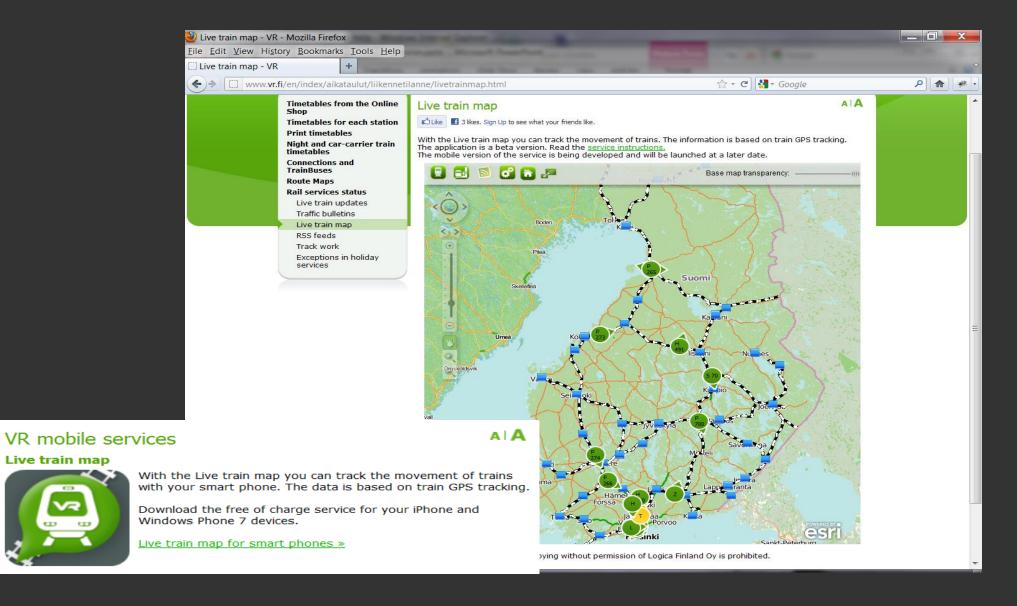
# Real Time Track and Asset Monitoring



#### **Electric Network Infrastructure**



## Timetable Tracking: Finnish Railroads



#### **Real Time Train and Work Crew Location**



"Having a real time map-based view of our network will allow us to increase the amount of traffic we can schedule on a particular section of track while simultaneously reducing the possibility of human error. It's hard to put a dollar value on increased safety, but there is no question that just avoiding one single serious accident would be a major benefit." *Trevor Pollack, Radio Engineer at OnTrack* 





# Q&A

Thank you

